

FIG. 1A

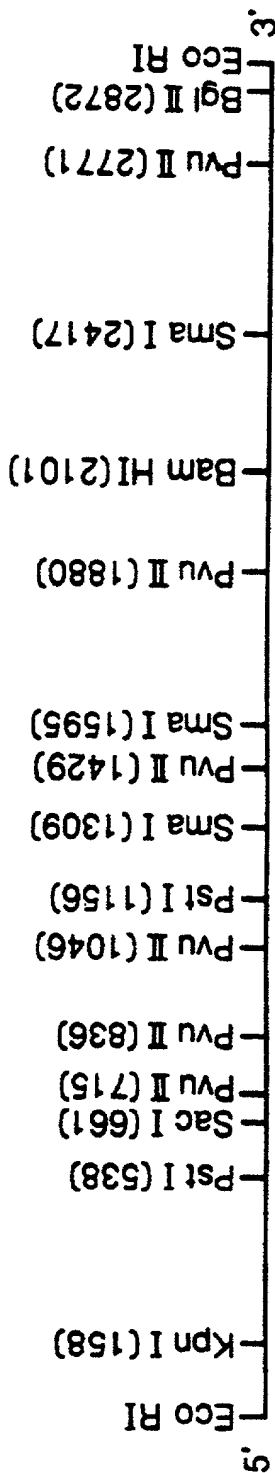


FIG. 1B-I

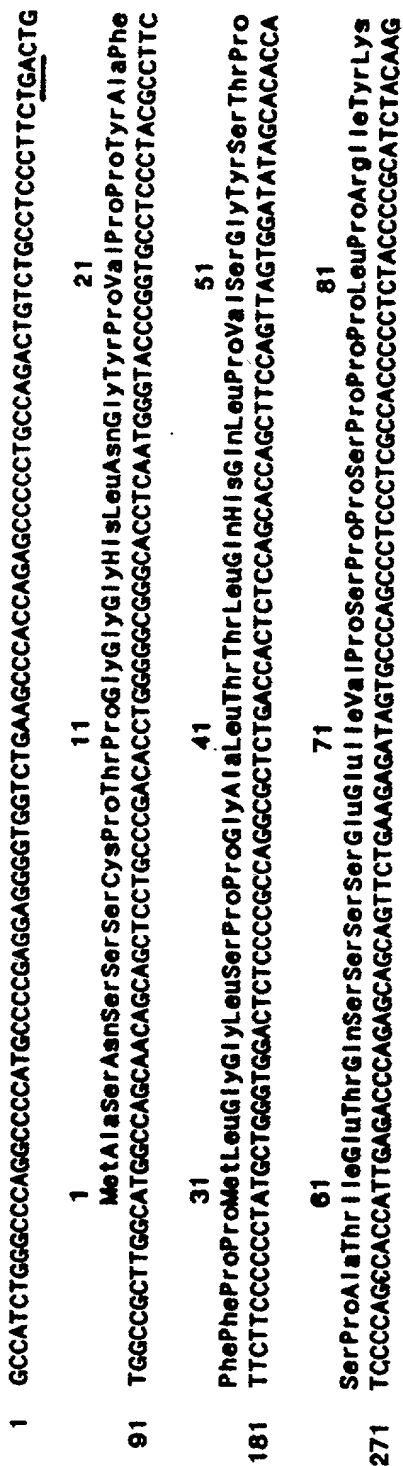


FIG. 1B-2

91 101 111
 ProCysPheValCysGlnAspLysSerSerGlyTyrHisTyrGlyValSerAlaCysGluGlyCysLysGlyPhePheArgSerIle
 361 CCTTGCTTTGCTGCTCAGGACAAGTCTCCTAGGCTACCACTATGGGCTCAGCGCTGTGAGGCTGCAAGGCTTCTTCGCGCGCAGCATC
 121 131 141
 GlnLysAsnMetValTyrThrCysHisArgAspLysAsnCysIleIleAsnLysValIThrArgAsnArgCysGlnTyrCysArgLeuGln
 451 CAGAAGAACATGGTGTACAGTGTACCGGGACAAAGAACTGCATCATCAACAAGGTGACCCGGAACCGCTGCCAGTACTGCCGACTCGCAG
 151 161 171
 LysCysPheGluValIGlyMetSerLysGluSerValArgAsnAspArgAsnLysLysLysGluValProLysProGluCysSerGlu
 541 AAGTGCTTTGAAGTGGGCATGTCCAAGGAGTCTGTGAGAAACGACCCGAAACAAGAAAGAGGAGGTGCCCAAGCCCGAGTGTCTGTGAG
 181 191 201
 SerTyrThrLeuThrProGluValIGlyGluLeuIleGluLysValArgLysAlaHisGlnGluThrPheProAlaLeuCysGlnLeuGly
 631 AGCTACAGCTGACGCCCGGAGTGGGGAGCTCATTTGAGAAGGTGCGCAAGCGCACCAAGAAACCTTCCCTGCCCTCTGCCAGCTGGGGC
 211 221 231
 LysTyrThrThrAsnAsnSerSerGluGlnArgValSerLeuAspIleAspLeuTrpAspLysPheSerGluLeuSerThrLysCysIle
 721 AAATACACTACGAACAACAGCTCAGAACACGTTCTCTCTGGACATTGACCTCTGGGACAAGTTTCAGTGAACCTCTCCACCAAGTGCATC
 241 251 261
 IleLysThrValGluPheAlaLysGlnLeuProGlyPheThrThrLeuThrIleAlaAspGlnIleThrLeuLeuLysAlaAlaCysLeu
 811 ATTAAGACTGTGGAGTTCGCCAAGCAGCTGCCCGGCTTCACCACCTCACCATTGCGGACCCAGATCACCTCTCTCAAGGCTGCCTGCCTG
 271 281 291
 AspIleLeuIleLeuArgIleCysThrArgTyrThrProGluGlnAspThrMetThrPheSerAspGlyLeuThrLeuAsnArgThrGln
 901 GACATCCTGATCCTGGGATCTGCACCGGTACACGCCCGGACGAGCACCATGACCTTCTCGGACGGGTGACCTGAAACCGGACCCAG
 301 311 321
 MetHisAsnAlaGlyPheGlyProLeuThrAspLeuValPheAlaPheAlaAsnGlnLeuLeuProLeuGluMetAspAspAlaGluThr
 991 ATGCACAACGCTGGCTTCGGCCCCCTCACCGACCTGGTCTTTGCCCTTCGCCCAACCAGCTGCTGCCCTGGAGATGGATGATGCGGAGACG
 331 341 351
 GlyLeuLeuSerAlaIleCysLeuIleCysGlyAspArgGlnAspLeuGluGlnProAspArgValAspMetLeuGlnGluProLeuLeu
 1081 GGGCTGCTCAGCGGCATCTGCTCATCTCGGAGACCGCAGGACCTGGAGCAGCGGACCGGATGGACATGCTGCAGGAGCCGCTGCTG

FIG. 2A

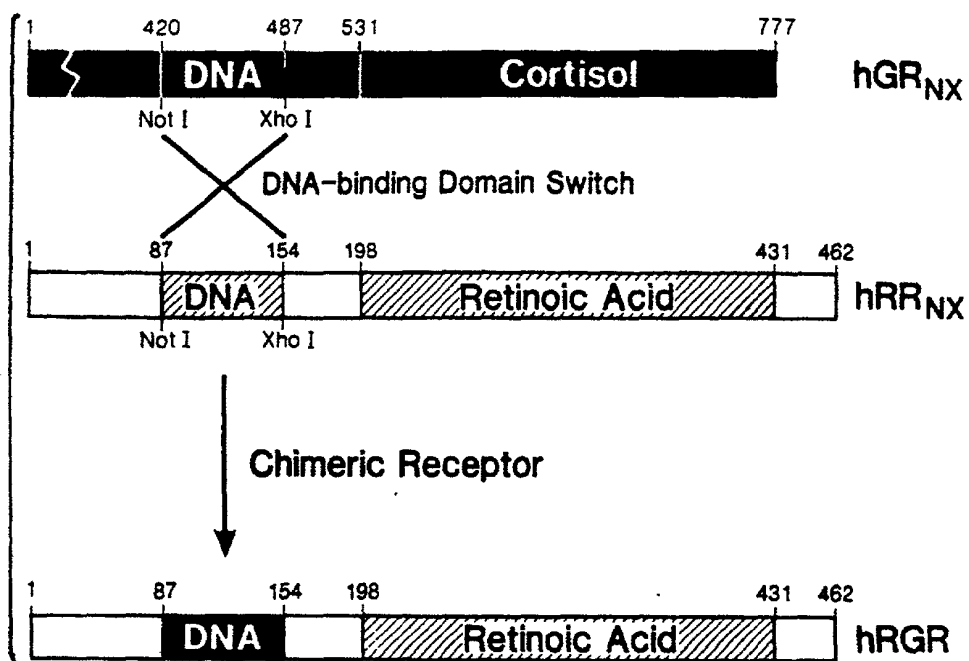


FIG. 2B

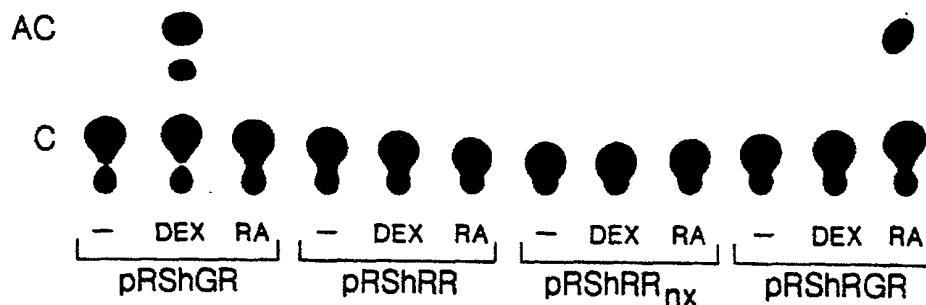


FIG. 3A

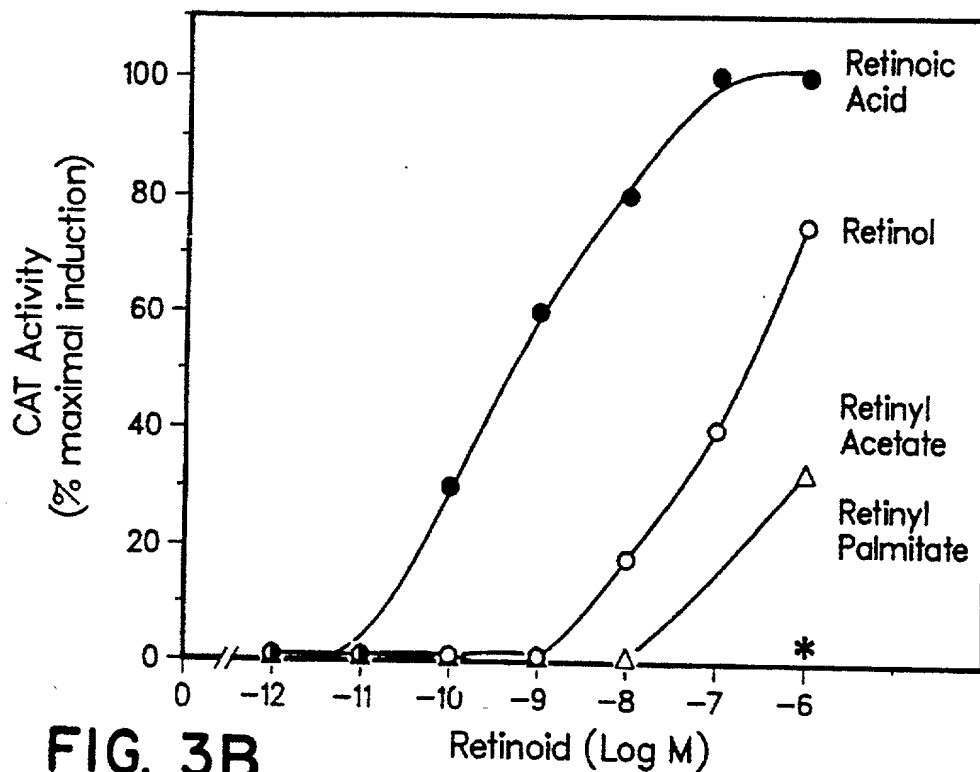


FIG. 3B

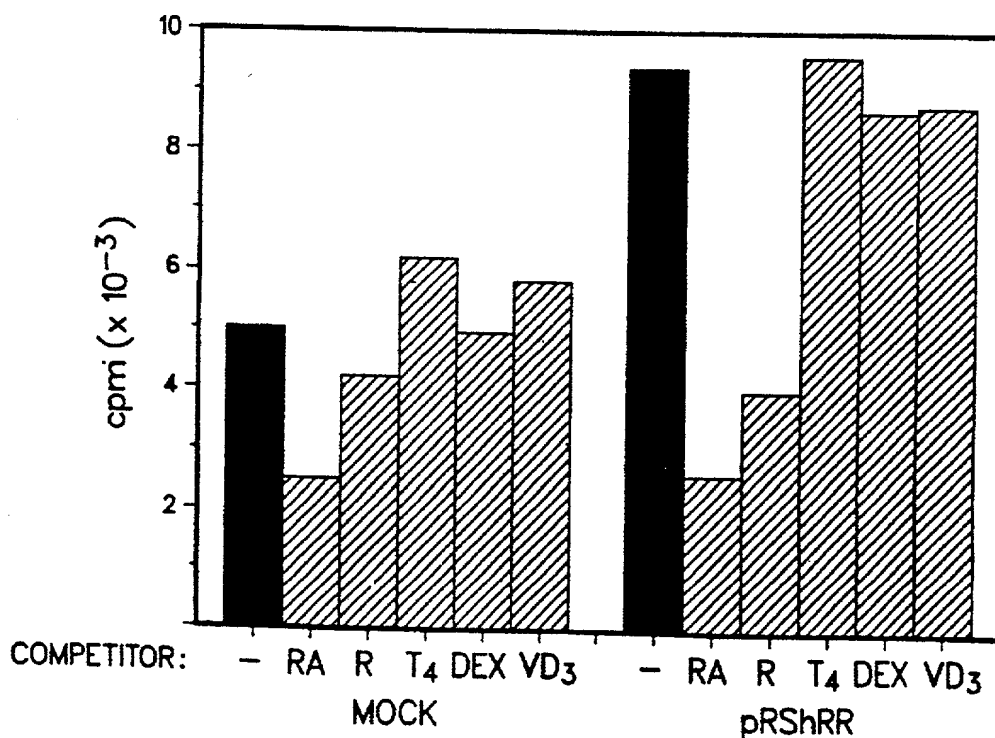


FIG.4A

Bam HI
Bgl II
EcoRI
Hind III
Pst I
Pvu II

23.0-

9.5-

6.6-

4.2-

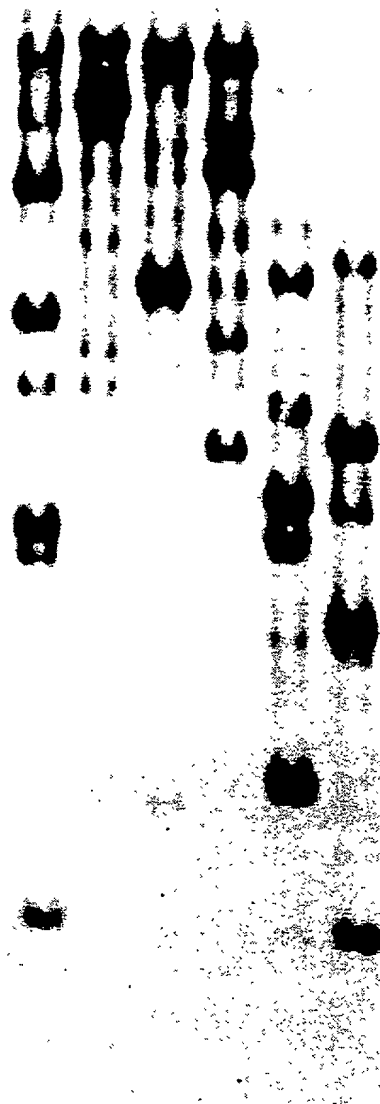
2.3-

2.0-

0.5-

FIG.4B

Bam HI
Bgl II
EcoRI
Hind III
Pst I
Pvu II



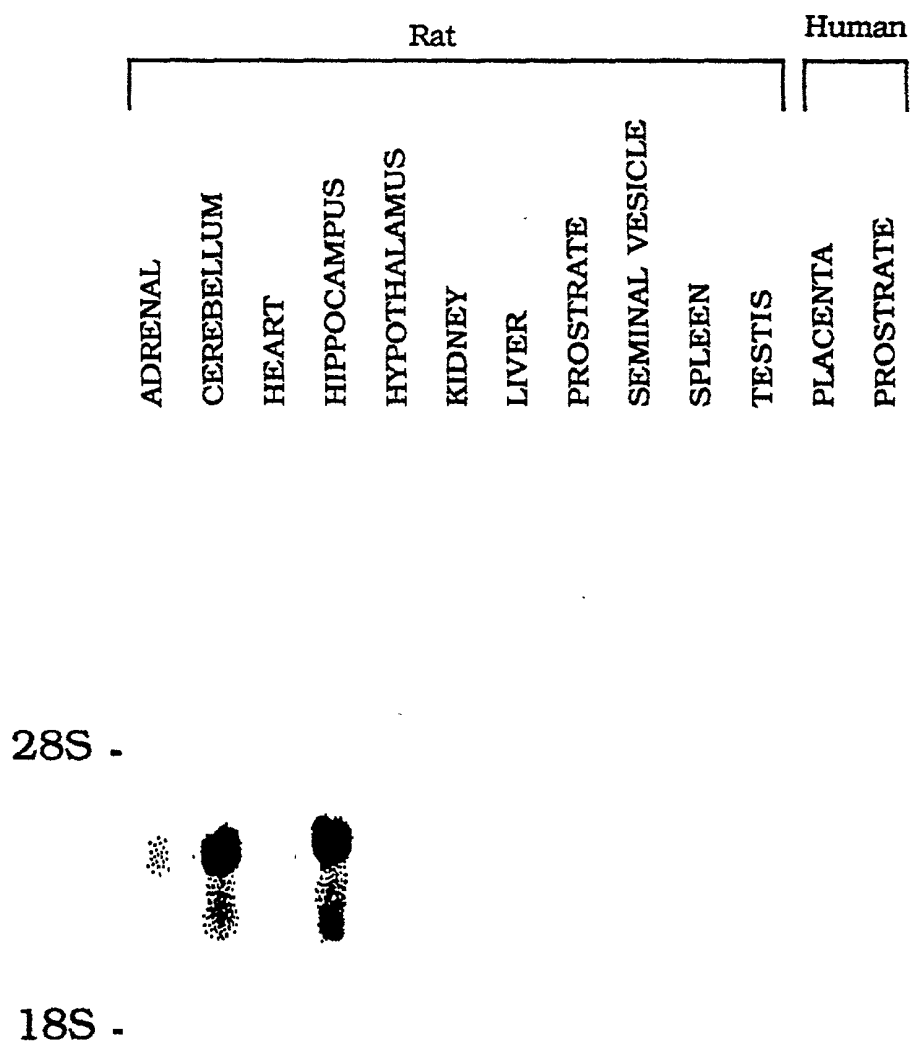


FIGURE 5

FIG. 6

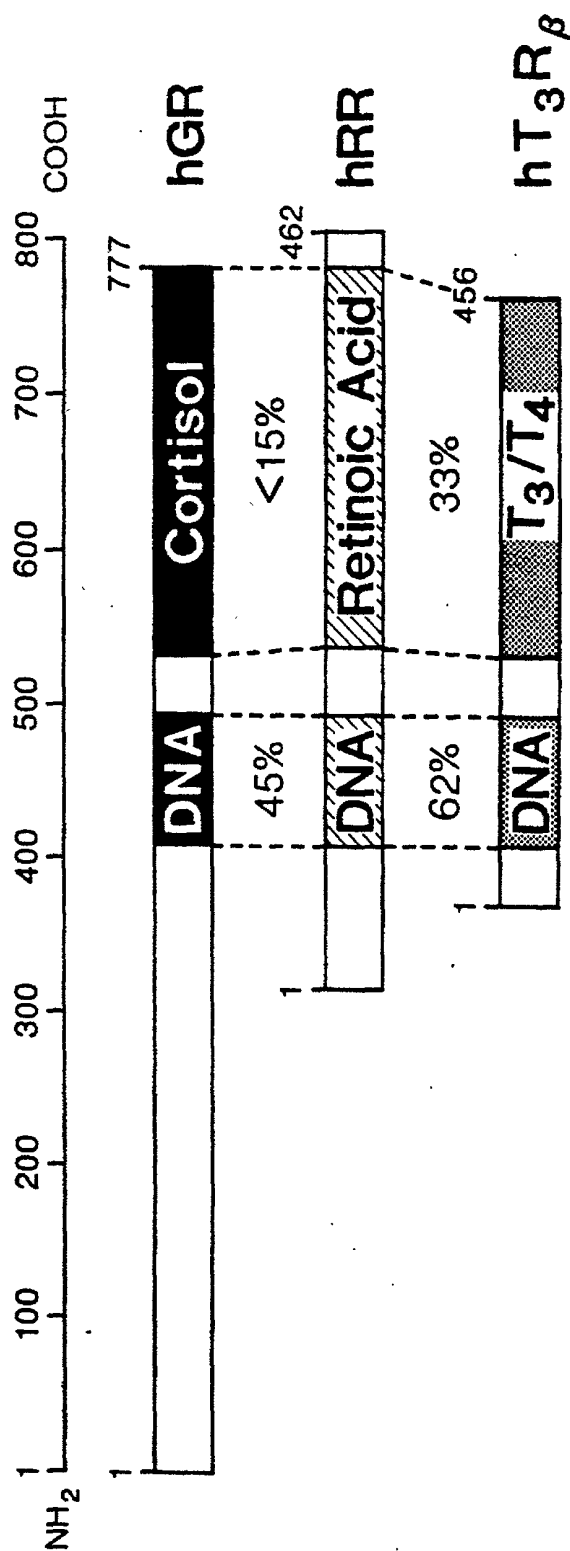


FIG. 7

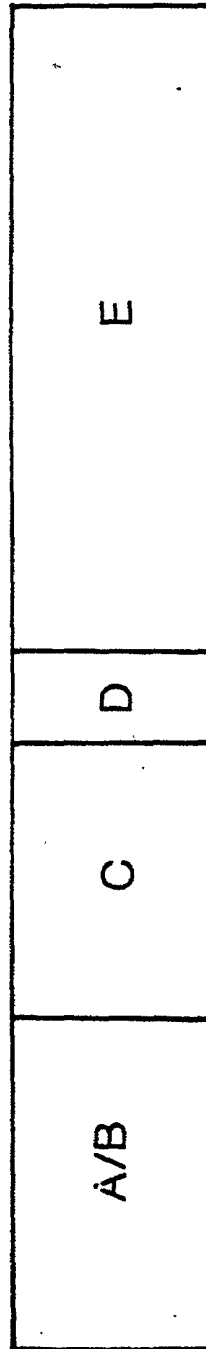


FIG. 8-1

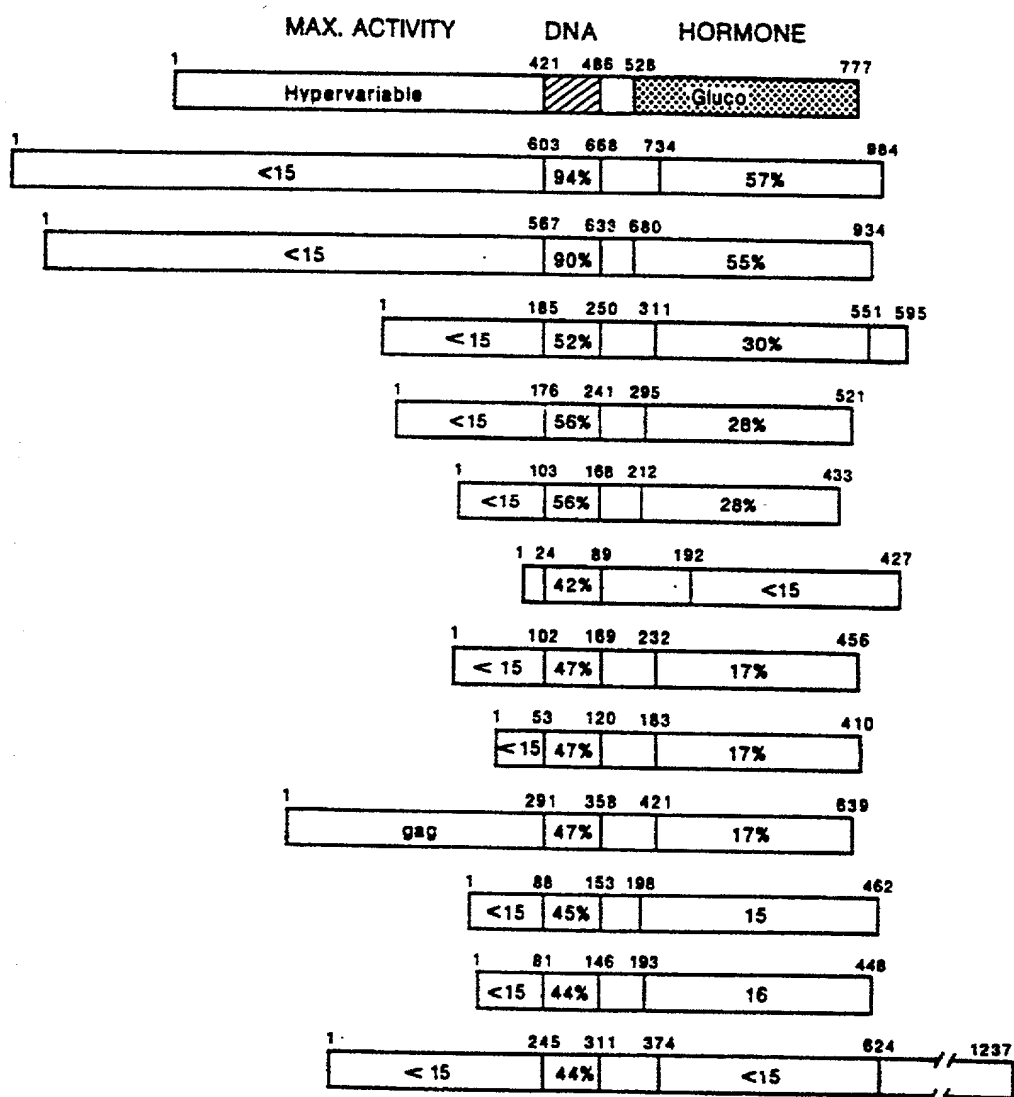
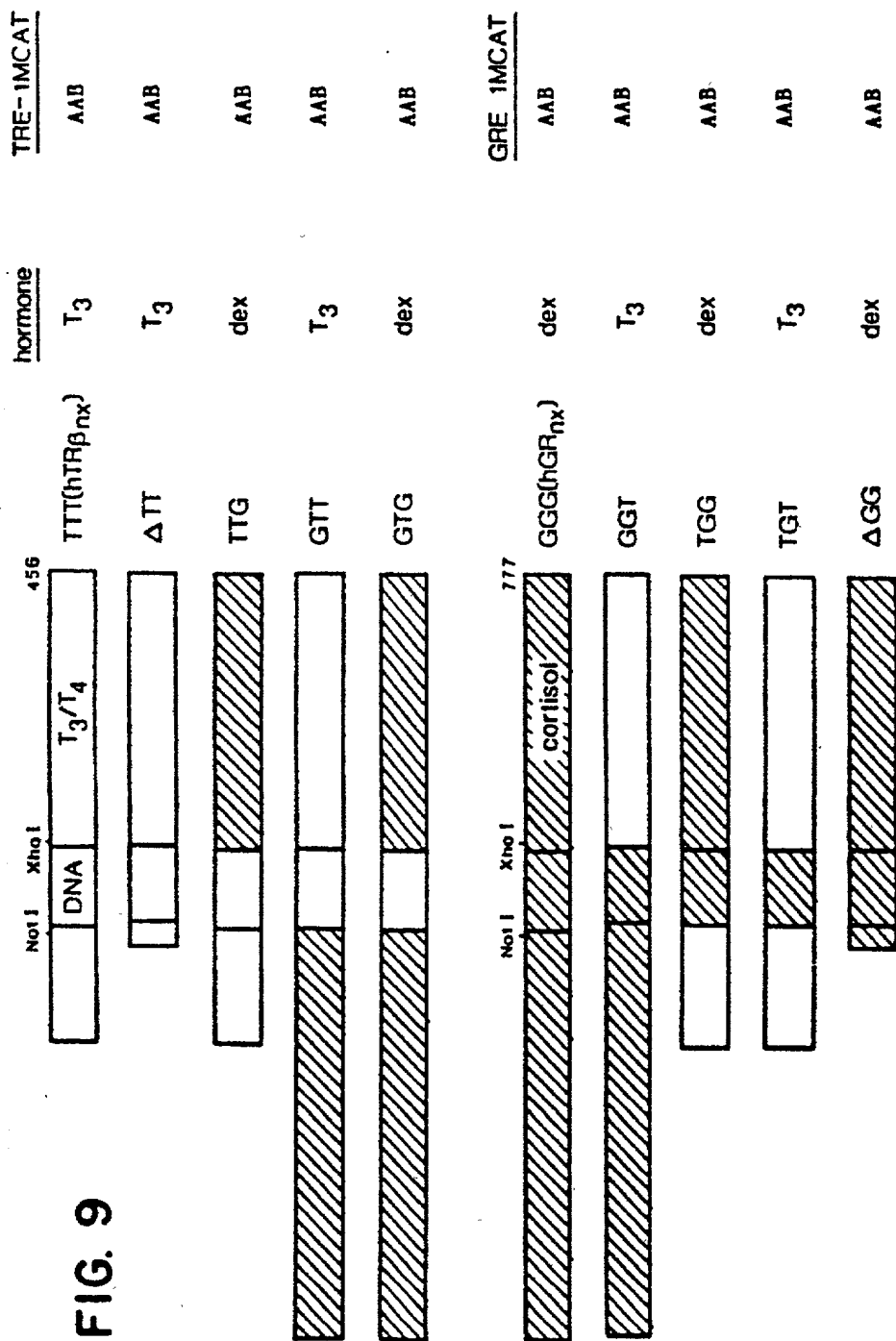


FIG. 8-2

| | HRE | DNA BINDING | HORMONE BINDING IN VITRO | IN VIVO | TRANS- ACTIVATION | CHROMO- SOME | SPECIES |
|-------------------------------|--------------------|-----------------------|-----------------------------|----------------------------|-------------------------------|------------------|--|
| GR | + ¹⁵⁻¹⁹ | + ^{16,17,21} | + ^{25,82} | + ^{48,52, 77} | + ^{48,52, 78,79} | 5 ²⁶ | h, ²⁶ r, ⁷⁷ m, ⁷⁸ |
| MR | nd | nd | nd | + ³⁶ | + ³⁶ | 4 ³⁶ | h ³⁶ |
| PR | + ^{24,34} | + ^{24,34} | nd | nd | + ³⁴ | 11 ⁷⁹ | rabbit, ³² h, ³³ c, ³⁴ |
| ER | + ^{22,23} | + ^{23,62} | nd | + ^{23,53, 62} | + ^{53,62} | 6 ⁶² | h, ²⁹ c, ³⁰ frog ³¹ |
| ERR1 | nd | nd | nd | nd | nd | nd | h ³⁹ |
| ERR2 | nd | nd | nd | nd | nd | nd | h ³⁹ |
| VDR | nd | nd | nd | + ³⁵ | nd | nd | h, ³⁵ c ³⁵ |
| T ₃ R _β | + ²⁵ | + ²⁵ | + ³⁷ | nd | + ⁸⁰ | 3 ³⁷ | h ³⁷ |
| T ₃ R _α | nd | nd | + ^{38,40} | nd | + ⁸⁰ | 17 ⁴⁰ | r, ⁴⁰ h, ⁴¹ c ³⁸ |
| V-erb A | + | + | (-) ³⁸ | nd | nd | virus | c ²⁸ |
| RAR | nd | nd | nd | + ^{42,43} | + ^{42,43} | 17 ⁸³ | h ^{42,43} |
| HAP | nd | nd | nd | nd | nd | 3 ⁴⁵ | h ⁴⁵ |
| E75 | nd | nd | nd | nd | nd | | d ⁴⁶ |



AAB = Activation Above Background